

# ABSTRACT

A method is for analyzing a drive system, according to which a transfer function of a target system in the drive system is determined by applying noise signals to the drive system. Several noise signals, which cover different frequency ranges, are successively applied as an input signal. In this context, the intensity of the noise signals may be optimized in steps, as a function of the covered frequency range, in order to improve the result of the identification of a target system in the drive system.